

	<p>IDEM Permit Guide: Radioactive Materials</p> <p>www.IN.gov/idem/guides/permit/air/radioactivematerials.html</p>
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Any activity that produces or uses radioactive materials generates radioactive waste. Most types of radioactive materials are controlled under [Title 10 of the Code of Federal Regulations](#). Compliance with these regulations is enforced through the licensing and inspection activities of the [U.S. Nuclear Regulatory Commission \(NRC\)](#).

Mining, nuclear power generation, and various processes in:

- Industry (for example; [phosphogypsum](#), is a radon emitting biproduct of phosphorous-based fertilizer production),
 - Defense (highly radioactive wastes from nuclear weapons production),
 - Medicine (wastes from isotope production for radiation therapy), and
 - Scientific research (wastes generated in laboratories and by particle accelerators)
- produce byproducts that include radioactive waste. In addition, radioactive contamination has occurred at sites across the country through accidental spills and improper or inadequate waste management.

Currently there are no radioactively contaminated Superfund NPL sites identified in Indiana. However, portions of Indiana do have naturally occurring radon emissions from bedrock which can be a source of [indoor radon pollution](#).

Permitting the Use of Radioactive Materials

Indiana regulates the use, handling, and disposal of radioactive materials under [410 IAC 5](#), “Radiological Health.” Persons or facilities using, handling, or disposing of radioactive materials in Indiana must be registered with the Indiana State Department of Health. Persons or facilities wishing to use “bi-product” radioactive materials, such as uranium or plutonium, must be licensed by the U.S. Nuclear Regulatory Commission. Contact the Indiana State Department of Health (see below) with all questions regarding registration and licensing.

For Additional Information

For additional information on radiation and radioactive materials (such as the handling, use, or disposal of radioactive materials or the disposal of low level medical waste); to register to use or handle radioactive materials; or to report an incident involving radioactive

materials, you may contact:

Rex Bowser rbowser@isdh.state.in.us
Radiation Specialist
Indiana State Department of Health
2 North Meridian St., 5th Floor
Indianapolis, IN 46204-3003

317/233-7153
Fax 317/233-7154

For information about radon gas contact:

Phil Eley PEley@isdh.state.in.us
Indiana State Department of Health
Indoor & Radiological Health
2 North Meridian St., 5th Floor
Indianapolis, IN 46204-3003

317/ 233-7148

Contact the U.S. Nuclear Regulatory Commission at:
U.S. Nuclear Regulatory Commission
Region III
801 Warrenville Rd.
Lisle, IL 60532-4351

603/829-9500

[Visit the EPA radiation homepage](#)

[Visit the Nuclear Regulatory Commission Website](#)

Disclaimer

This permit guide is intended to provide background information which should be useful in planning for a particular project that may require an environmental permit. It does not substitute for consultation with the appropriate regulatory agency and/or the appropriate rules or statute.